

Recombinant Human B3GALT2, His-tagged

Cat. No. B3GALT2-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human β -1,3-Galactosyltransferase 2/B3GALT2 is produced by mammalian expression system in human cells. The target protein is expressed with sequence (His46-His422) of Human B3GALT2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	46-422 a.a.
AA Sequence	HDWLPGRAGFKENPV TYTFRGFRSTKSETHSSLRNIWKETVPQTLRPQTATNSN NTDLSPQGV TGLENTLSANG SIYNEKGTGHPNSYHFKYIINEPEKCKQEKSPFLILLIA AEPGQIEARRAIRQT WGNESLA PGIQITRIFLLGLSIKLNGLYLQRAILEESRQYHDIIQ QEYLDITYYNLTIKTLMGMNW VAT YCPHIPYVMKTDSDMFVNTEYLINKLLKPDLP PPR HNYFTGYLMRGYAPNRNKDSKWYMP DLYPSEYYPVFCSGTG YVFSGLAEKIFK VSLGIRRLHLEDVYVGICLAKLRIDPVPPN EFVF NHWRVSYSSCKYSHLITSHQFQ PSELIKYWNHLQQNKHNACANA AKEKAGRYRHRK LHV DHHHH HH
Endotoxin	Less than 0.1 ng/ μ g (1 IEU/ μ g).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

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Gene Name	B3GALT2 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2 [Homo sapiens]
Official Symbol	B3GALT2
Synonyms	B3GALT2; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2; beta-1,3-galactosyltransferase 2; beta3Gal T2; beta-3-galt2; beta-1,3-GalTase 2; UDP-galactose:2-acetamido-2-deoxy-D-glucose 3beta-galactosyltransferase 2; GLCT2; BETA3GALT2; beta3Gal-T2;
Gene ID	8707
mRNA Refseq	NM_003783
Protein Refseq	NP_003774
MIM	603018
UniProt ID	O43825
Chromosome Location	1q31
Pathway	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer => Lc4Cer, organism-specific biosystem; Glycosphingolipid biosynthesis, lacto-series, LacCer => Lc4Cer, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity; galactosyltransferase activity; transferase activity, transferring glycosyl groups;

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